

National Park Service



Lake Mead Exotic Plant Management Team

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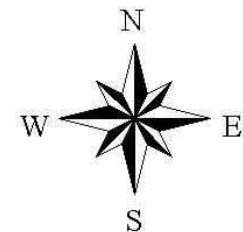
Traveling Crew







Lake Mead EPMT FYO2 Project Locations



Organization

- Liaison/Program Coordinator/Perm
- Crew Supervisor/Perm
- 3 Crew Leaders/Terms
- 13 Crewmembers /Seasonal
- Total: 18 Person Crew
- NPS Steering Cmttee
- SNRT



NPS Wide EPMT Program

- 16 Teams across the country
- Lake Mead prototype 1996-2000
- 19 NPS Units “partner parks” (CA, NV, AZ, UT, CO)
- Host Park Unit: Lake Mead NRA
- Joshua Tree, Death Valley, Mojave Preserve and Manzanar

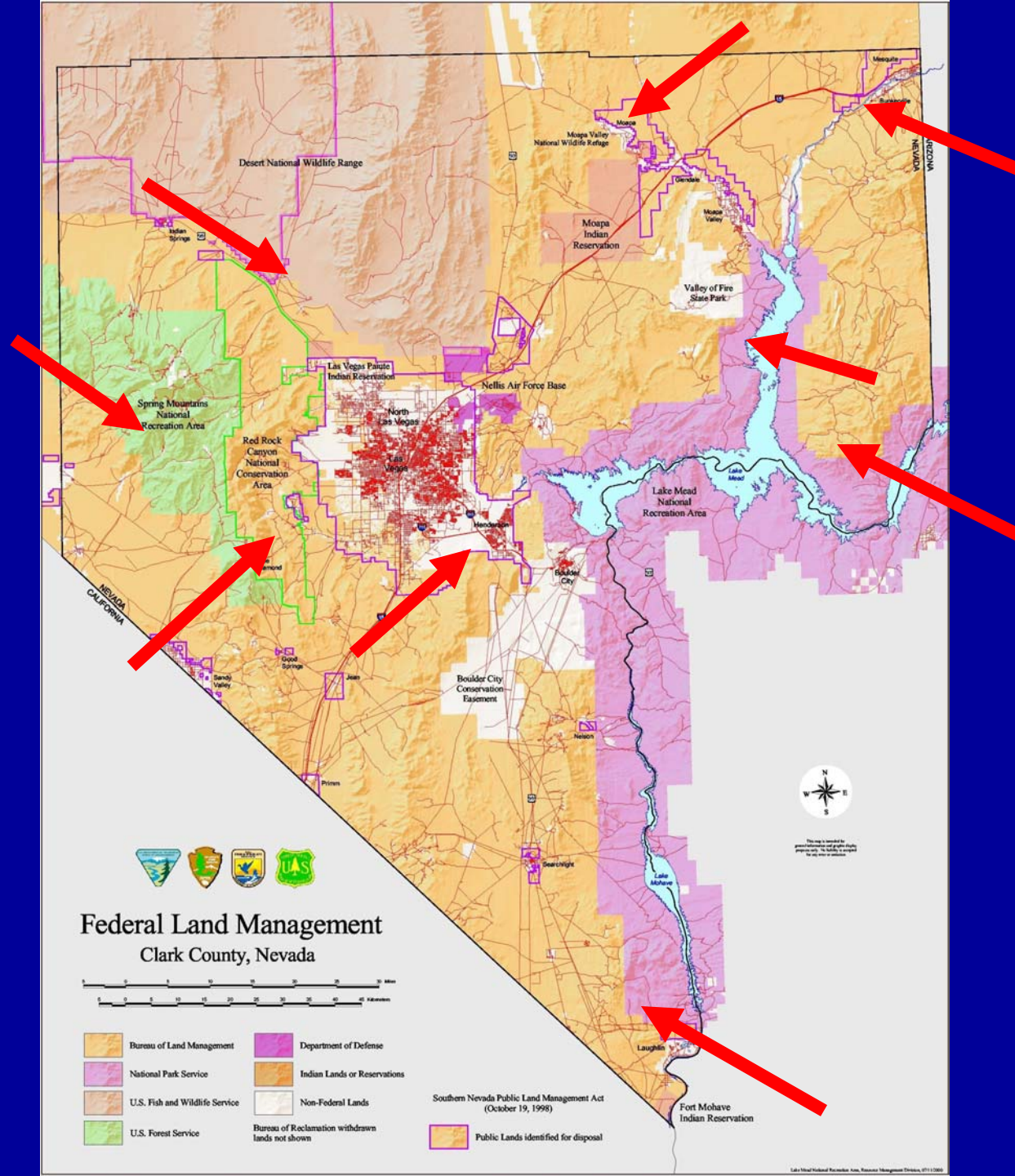
Partnerships

- Interagency (SNRT= BLM, USFS, USFWS, NPS)
- Clark County Funds
- Southern Nevada Water Authority (County Wetlands Park)
- Ash Meadows NWR
- BLM Needles District, California



Southern Nevada Restoration Team (SNRT)

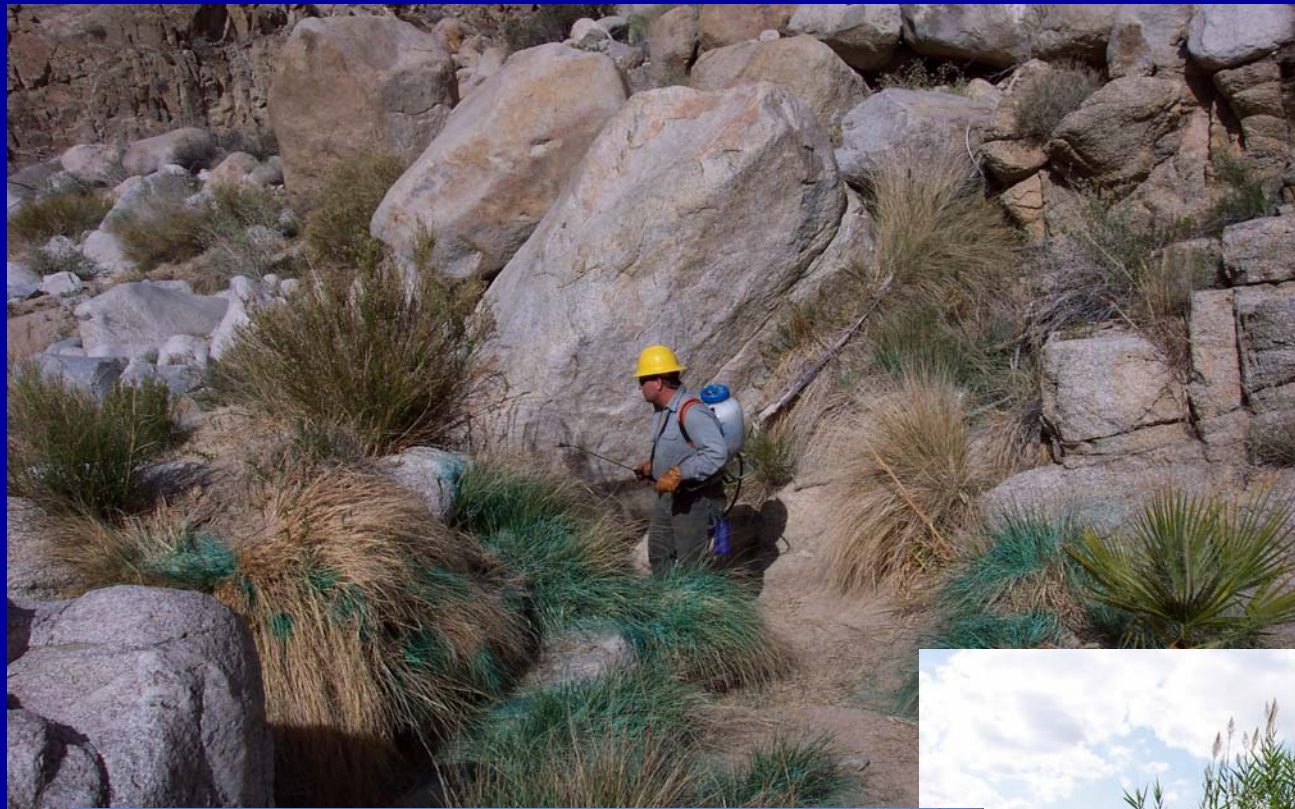
- Funded by Development mitigation fees through the Clark County MSHCP/USFWS
- Additional funds from the NPS
- Team is administered by NPS at Lake Mead
- Guided by Interagency SNRT
- Primary focus is tamarisk control and other riparian exotics including revegetation



Priority Exotic Species

- Tamarisk
- Perennial Pepperweed/
Tall Whitetop
- Fountain Grass
- Camelthorn
- Russian Knapweed
- Arundo/ Russian Olive
- Palm trees







Revegetation

- Honey Mesquite
- Screwbean Mesquite
- Catclaw
- Cottonwood
- Willow (SAGO & SAEX)
- Seed (SPAI, DISP)



Post Treatment Site Recovery



Example Projects

- Virgin River, camelthorn/tamarisk
- Newberry Mts, Tamarisk
- F-Grass, 49 Palms & Lake Mohave
- Saline Valley
- Lower Amargosa
- Mojave NP
 - Granite Mts
 - New Yorks Mts
 - Providence Mts
 - Piute Creek
- Mt. Charleston
- Clark County/Springs



Data Management

- NAWMA Mapping Standards
 - GPS, GIS, Arcview
 - Gross Infested Acres vs Actual Infested
- Alien Plant Control and Monitoring (APCAM) Access/ EPMT Database
- Daily Documentation Forms



Monitoring & Maintenance

- Follow Up Monitoring and re-treatment
- Tamarisk is minimal (1 day/year max at most sites)
- Rhizome species are more difficult to control
- Long term plots/photo
- Effectiveness/Adaptive Management

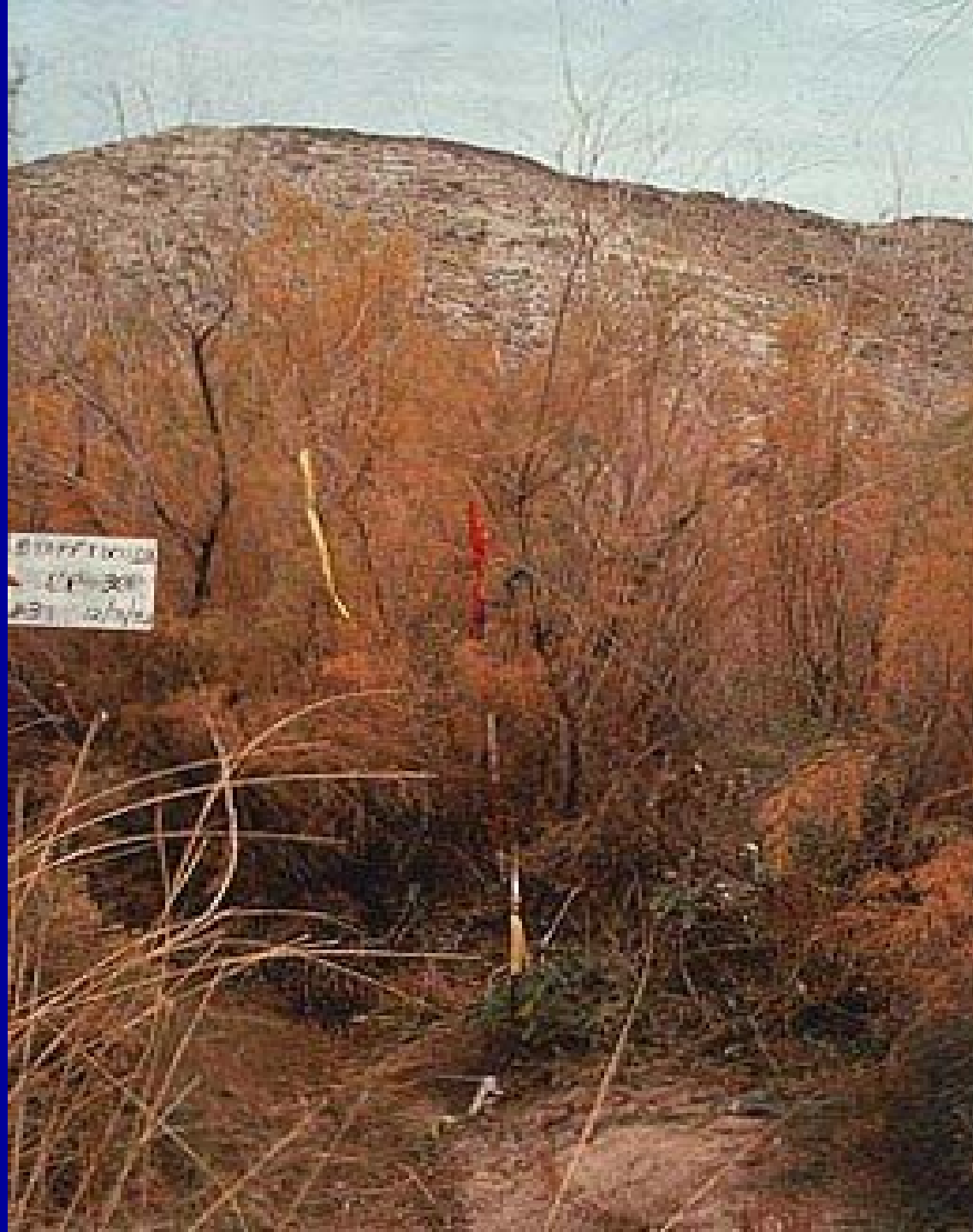


Research

- Camelthorn, Virgin River, Mark Renz
- Red Brome, Joshua Tree, USGS, Matt Brooks
- Tamarisk treatments comparison:
 - Cut Stump vs Fire, NAU, Rebecca Harms/Hiebert
- Restoration Assessment Tool, NAU, Amy Ritchie/Ron Hiebert
- Brassica Tournefortii, Sahara Mustard???









New Partners??

- Feasibility
- \$10,000-\$25,000/payperiod
- Agreement
- Project Support
- Curt_deuser@nps.gov
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